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Certificate of Analysis

Catalogue Number 07110
Lot Number 000201-3451
Product **Fmoc-O-trityl-D-threonine**

Fmoc-D-Thr(Trt)-OH

CAS Number 682800-84-6
Molecular Formula C₃₈H₃₃NO₅

Molecular Weight 583.7

Appearance Off-white to brown crystals
Solubility Clearly soluble (0.5 mmole in 1 ml DMF)
Melting Point 71-74 °C
Water Content (Karl Fisher) 0.23%
Kaiser Test Negative to slightly positive
Optical Rotation $[\alpha]_D^{20} = +23.9^\circ$ (C=1 in EtOAc)
Infrared Spectrum Conforms to reference
Residual Solvents Dioxane, Hexanes
Free Amino Acids < 0.1%
Assay by titration 85%
Purity by HPLC 99% (at 265 and 220 nm)
Purity by TLC > 98.5%
Storage Store at ≤ -4 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager